



IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

PATENT

Serial No.: 10/715,324 )  
Filed: November 17, 2003 )  
For: HUMIDITY CONTROLLER )  
Applicant: HUNT ET AL. )  
Examiner: Not yet assigned )  
Art Unit: Not yet assigned )  
Attorney Ref: 1171/41475/56B/106/107-CIP )

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

March 19, 2004

Date

Tiffany E. Sexton

Tiffany E. Sexton

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with Applicant's duty of candor under 37 CFR §1.56 and in compliance with 37 CFR §1.97 and §1.98, Applicant is not aware of any material prior art but, in an abundance of caution and candor, Applicant submits the present Information Disclosure Statement and Form PTO-1449.

JP 5-317428 is not in the English language. It is relevant in that its purpose is to obtain a heating/humidifying apparatus which has a humidifying performance by no means affected by ventilation mode, for example, steady flow or adjusting respiration, variations in the flow rate of a sucked gas, an ambient environmental temperature and the like by using a dew formation sensor for the control of moisture to enhance stability of the moisture supplied. It constitutes a water tank module 1 for heating or humidifying is provided with a main heater to generate steam and the steam thus generated is made to be free to supply to a patient through a sucking zigzag pipe 3. A hose heater 4 comprising a linear heating body is inserted and mounted into the sucking zigzag pipe 3 constantly. The temperature of the gas sucked is measured with a thermistor 5 set at about the mouth of the patient. Output of the hose heater 4 is made free to adjust through a hose heater controller 6 and the humidity of the gas sucked is measured with a dew formation sensor 7. Output of the main heater 2 is made free to adjust through a main heater controller 8.



Enclosed with this Information Disclosure Statement is a European Search Report dated December 11, 2003 which issued in connection with a corresponding European Application.

This Supplemental Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits and constitutes a bona fide attempt to comply with 37 CFR §1.97 and §1.98.

In accordance with 37 C.F.R. §1.97, the presentation of this information shall not be construed as a representation that no other material information as defined in 37 C.F.R. §1.56 exists, or as an admission that the information cited in this statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56.

Should the Examiner believe a fee is required, the United States Patent and Trademark Office is hereby authorized and requested to charge the fee to the deposit account of the undersigned firm, Account No. 20-1495.

Respectfully submitted,

Dated:

March 19, 2004

By:



Raiford A. Blackstone, Reg. No. 25,156  
Linda L. Palomar, Reg. No. 37,903  
TREXLER, BUSHNELL, GIANGIORGI,  
BLACKSTONE & MARR, LTD.  
105 W. Adams Street, 36th Floor  
Chicago, Illinois 60603  
(312) 704-1890

Form PTO-1449 (Rev. 2-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 1171/41475 56B/106/107CIP		SERIAL NO. 10715,324								
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICANT: Hunt et al.										
(Use several sheets if necessary)				FILING DATE: November 17, 2003		GROUP Not Yet Assigned								
<b>U.S. PATENT DOCUMENTS</b>														
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
		2	0	8	4	5	1	4						
		2	0	8	4	5	1	4	06/22/37	L.W. Tuttle et al.				
		3	9	0	3	8	8	3	09/09/75	Pencina et al.				
		4	0	3	8	9	8	0	08/02/77	Fodor				
		4	2	0	1	2	0	4	05/06/80	Rinne et al.				
		4	2	2	0	4	6	0	09/02/80	Partus				
		4	2	7	6	2	4	3	06/30/81	Partus				
		4	6	1	8	4	6	2	10/21/86	Fisher				
		5	0	3	1	6	1	2	07/16/91	Clementi				
		5	0	9	7	4	2	4	03/17/92	Ginevri et al.				
		5	1	6	3	4	2	3	11/17/92	Suzuki				
		5	2	4	9	7	4	0	10/05/93	Serra Tosio et al.				
		5	3	3	1	9	9	5	07/26/94	Westfall et al.				
		5	3	4	9	9	4	6	09/27/94	McComb				
		5	5	3	7	9	9	6	07/23/96	McPhee				
		5	6	4	0	9	5	1	06/24/97	Huddart et al.				
		5	9	3	8	9	8	4	08/17/99	Jung				
		6	0	5	0	2	6	0	04/18/00	DANIELL et al.				
		6	2	7	2	9	3	3	08/14/01	Gradon et al.				
		6	3	4	9	7	2	2	02/26/02	Gradon et al.				
		5	1	8	2	9	5	2	02/02/93	Pyzik				
		4	3	6	6	8	2	1	01/04/83	Wittmaler et al.				
		4	3	6	3	2	3	8	12/14/82	Willam				
<b>FOREIGN PATENT DOCUMENTS</b>														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
		YES	NO											
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>														
EXAMINER										DATE CONSIDERED				
<p><small>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small></p>														



U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

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1171/41475  
56B/106/107CIP

SERIAL NO. 10/715,324

APPLICANT: Hunt et al.

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GROUP Not Yet Assigned

## U.S. PATENT DOCUMENTS

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		4	8	2	1	7	0	9					
		4	8	2	1	7	0	9	04/18/89	Jensen			
		5	4	5	2	7	1	4	09/26/95	Anderson et al.			
		4	5	6	4	7	4	8	01/14/86	Gupton			
		4	4	5	6	0	0	8	06/26/84	Clawson et al.			
		5	4	9	5	8	4	8	03/05/96	Aylsworth et al.			
		5	8	9	0	4	9	0	04/06/99	Aylsworth et al.			
		5	9	6	4	2	1	9	10/12/99	Pekka			
		6	0	4	1	7	7	7	03/28/00	Faithfull et al.			
		5	2	2	6	4	1	1	07/13/93	Levine			
		5	2	3	7	9	8	7	08/24/93	Anderson et al.			
		6	0	9	5	5	0	5	08/01/00	Miller			
		4	6	8	2	0	1	0	07/21/87	Drapeau et al.			
		4	5	8	7	9	6	7	05/13/86	Chu et al.			
		5	5	5	8	0	8	4	09/24/96	Daniell et al.			
		4	5	3	9	9	8	4	09/10/85	Kiszel et al.			
		4	3	5	7	9	3	6	11/09/82	Ellestad et al.			
		4	2	5	6	1	0	1	03/17/81	Ellestad et al.			
		4	0	9	8	8	5	3	07/04/78	Brown et al.			
		4	0	5	1	2	0	5	09/27/77	Grant			
		5	0	6	2	1	4	5	10/29/93	Zwaan et al.			
		5	1	0	9	4	7	1	04/28/92	Lang			
		4	3	9	3	0	1	3	04/12/83	McMenamin			
		4	4	3	6	6	7	4	03/13/84	McMenamin			
		4	5	8	9	4	0	9	05/20/86	Chatburn et al.			
		4	6	2	1	6	3	2	11/11/86	Bartels et al.			
		4	7	0	5	9	3	6	11/10/87	Fowler			
		4	7	0	8	8	3	1	11/24/87	Elsworth et al.			
		4	9	2	1	6	4	2	05/01/90	La Torraca			

  

FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
		YES	NO											

  

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